CLAIMS:

1. A data carrier (1) for the contactless communication with a communication station, by means of which communication station a communication signal ($CS(f_0)$) can be generated, which can be transmitted to the data carrier (1) in a contactless manner,

which data carrier (1) includes an integrated circuit (3),

which integrated circuit (3) includes a voltage generation circuit (7) to which the communication signal ($CS(f_0)$) can be applied and which is adapted to generate a d.c. supply voltage (V) with the aid of the communication signal ($CS(f_0)$) and in which at least one electrical quantity (V; VL) which determines the amplitude value of the d.c. supply voltage (V) appears, and

which integrated circuit (3) in addition includes first switching means (22) to which at least one representation value (RVAL; CRVAL) representative of said electrical quantity (V; VL) can be applied and which switching means are adapted to generate a representation signal (REPS) representative of the amplitude value of the at least one representation value (RVAL; CRVAL), and

which integrated circuit (3) includes second switching means (28) with the aid of which the representation signal (REPS) can be transmitted to the communication station.

2. A data carrier (1) as claimed in claim 1,

in which the first switching means (22) include an analog-to-digital converter.

3. A data carrier (1) as claimed in claim 1,

in which the integrated circuit (3) has command evaluation means (26) which are adapted to receive and evaluate an interrogation command (INTC) supplied by a communication station and which after reception and evaluation of such an interrogation command (INTC) cause the representation signal (REPS) to be transmitted from the data carrier (1) to this communication station.

4. A data carrier (1) as claimed in claim 1,

in which the voltage generation circuit (7) includes a voltage limiting stage (30), from which the d.c. supply voltage (V) can be taken, and

in which means (39) have been provided with the aid of which a voltage (VL) appearing in the voltage limiting stage (30) and proportional to a current (IOUT) in the voltage limiting stage (30) can be applied to the first switching means (22) as a representation value (RVAL).

5. An integrated circuit (3) for data carrier (1) for the contactless communication with a communication station, by means of which communication station a communication signal ($CS(f_0)$) can be generated, which can be transmitted to the data carrier (1) in a contactless manner,

which integrated circuit (3) includes a voltage generation circuit (7) to which the communication signal ($CS(f_0)$) can be applied and which is adapted to generate a d.c. supply voltage (V) with the aid of the communication signal ($CS(f_0)$) and in which at least one electrical quantity (V; VL) which determines the amplitude value of the d.c. supply voltage (V) appears, and

which integrated circuit (3) in addition includes first switching means (22) to which at least one representation value (RVAL; CRVAL) representative of said electrical quantity (V; VL) can be applied and which switching means are adapted to generate a representation signal (REPS) representative of the amplitude value of the at least one representation value (RVAL; CRVAL), and

which integrated circuit (3) includes second switching means (28) with the aid of which the representation signal (REPS) can be transmitted to the communication station.

6. An integrated circuit (3) as claimed in claim 5,

in which the first switching means (22) include an analog-to-digital converter.

7. An integrated circuit (3) as claimed in claim 5,

in which the integrated circuit (3) has command evaluation means (26) which are adapted to receive and evaluate an interrogation command (INTC) supplied by a communication station and which after reception and evaluation of such an interrogation command (INTC) cause the representation signal (REPS) to be transmitted from the data carrier (1) to this communication station.

8. An integrated circuit (3) as claimed in claim 5,

in which the voltage generation circuit (7) includes a voltage limiting stage (30), from which the d.c. supply voltage (V) can be taken, and

in which means (39) have been provided with the aid of which a voltage (VL) appearing in the voltage limiting stage (30) and proportional to a current (IOUT) in the voltage limiting stage (30) can be applied to the first switching means (22) as a representation value (RVAL).